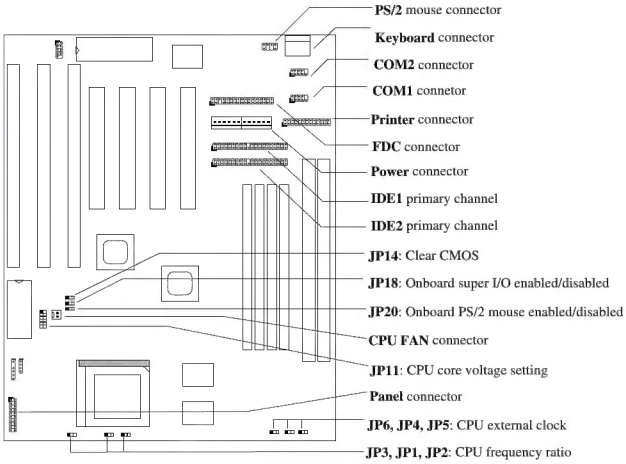
ß÷≥± ¶W∏À´¸´n

¶b¶W∏À±z™∫®≤Œß´e°AΩ-•˝∞-æ≥ø•˜ <ß÷≥±¶W∏À´¸´n>°C•H§U¨O≥ø∂Ù•Dæë ™Œumper ªP±µ¿Y ™∫º–•‹°G



AP5T Rev 3.xx ®‚¶≥¶h∂µ•˝∂i™∫•\Ø±°G

¿¸∂°∂}æë (Suspend to Hard Drive)°G—BIOS §º‰©ÓA•i±N±z•ÿ´e™∫§uß@¿x¶s®Ï µwʃ–§§°A§U§@¶Ó}æë Æ.•fl®Ë•s•X≠Ì ®′™∫µe≠±°C

πLπq¨y´O≈@(Over-current Protection)°G3.3V 10A §CŒCPU core 15A πLπq¨y´O≈@πqÓ¸ºA•i•H¡◊ßKÓÀ æëÆ§£∑V§fi∞_™∫µuÓ¸ºC

CPU πLº^´O≈@(CPU Thermal Protection)°GÌ CPU ∑≈´◊∞™®Ù§@≠″πw≥]≠»™∫Æ.≠°A®≤ŒÈ¶€∞ ≠«ßC CPU ±t´◊°A®√≥≠πL¿≥•Œ¡{¶° (ADM ®ŒHWMON) µo•Xƒµß¡∞TÆß°C

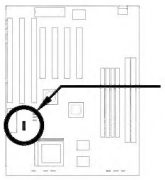
¶P®B•Ê¥´¶°√≠≠£Ωu∏Ù(Switching Regulator)°GÌ§@Ø Ó ™∫´D¶P®B¶°¶≥ßÛ»™™∫ÆÉ≤√°AπÒ≥§@•®PU ™∫ §º‰©±NßÛ®‚ºu©°C

75/83.3MHz •~¿W(75/83.3MHz External Clock)°Gº‰©≥o®ó•~¿W¨O¨∞§F≈″ ®œeŒÃ¶b®œeŒ§WßÛ•[§Ë´K°C ¶″Ω-±z™∑N°AƏW¿W™∫µ≤″G•iØ±∑]æ≥≠P®≤ŒÉ£√≠≠®v°A¨Δ¶‹ ¶≥•iØ±∑]√ə∂gv°§∏Ì•ÛºC

Ω·™ ΣN°G <ß÷≥±¶W∏À´¸´n>•u¨O≠ ⊣ ¶°¶C•X§@®ó™ ∑N®ΩƏµ°A≥Ý°≥ ≠ñÌ∏ ∏ ≤″™∫ª°©°A¡Ÿ ¨ŒΩ-±z∞-æ≥ <®œeŒ§, •U›°C

≥] ®wCPU Æ§flπq¿£

JP11 •ŒŒ″øÔœ CPU Æ§flπq¿£°G



3.45V
P54C

3.52V
Cyrix 6x86
AMD K5

2.9V
K6-166
K6-200
M2

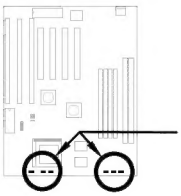
2.8V
MMX P55C

3.2V
K6-233

ß÷≥± ¶W∏À´¸´n

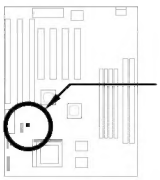
≥]@v CPU ¿Wśv

JP3°BJP1 ªP **JP2** •CR'≥]@v CPU ≠ø¿W§Ò'BJP6°BJP4 ªP **JP5** ´h•CR'≥]@v CPU •~¿W°C



	JP3	JP1	JP2	JP6	JP4	JP5
Intel MMX-166, K6-166, M2-200	1 2 3	1 2 3	1 2 3	1 2 3	1 2 3	1 2 3
Intel MMX-200, K6-200, M2-233	1 2 3	1 2 3	1 2 3	1 2 3	1 2 3	1 2 3
Intel MMX-233, K6-233, M2-266	1 2 3	1 2 3	1 2 3	1 2 3	1 2 3	1 2 3

≥s±µ CPU ≠∑Æ©

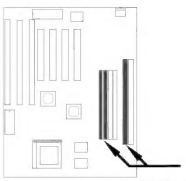


¶b•Dæê™O§W°A¶≥§@≠'º–•‹F'æN ™∫ 2-pin ≠∑Æ¤µ¿Y°A•CŒH≥s±µCPU≠∑Æ©°C®œe •CŒIntel PP/MT-233°BAMD K6-200/233 @CBÛ¤™µ•Ø≈™∫ CPU Æ.°.AØ5ßO≠n™)∑N CPU ≠∑Æ¤Oß_¶W∏ÀS¥∑ °Aß_´h≠Y¥≤ª ∞ √D•º¶≥Æ∫Π–M°A•iØ‡∑æ.≠P®t≤Cß£ √≠@w°C

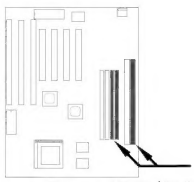
ƒµß¡: ±z≥Ã¶nøÔ¡ §@≠'Π¶n™∫≠∑Æ©'∑ƒ∝t PP/MT-233 @CEAMD K6-200/233°AΩ-∞–¶" ß/≠Ã∫ÙØ∏§W(http://www.aopen.com.tw) ™∫¨€√^Π∝T°C

¶W∏À•D∝Oœe≈È

≥ø∂Ù•Dæê™O¶≥4 ±¯ 72-pin SIMM ªP 2 ±¯ 168-pin DIMM ¥°º–°A≥Ã¶h•i§%¥©Ë 256MB ™∫•D∝O æe≈È°C≠∕ ±z®œeŒ¨ ≠±™∫ Oæe≈È"≤ °AΩ-ØßßO™ ∑N°G¶p™GBank0 ®œeŒ"∫¨O¬¨ ≠±º" ≤ °A ®ƒªÚ DIMM1 ¥N•≤ø∑™≈§U®'°A≠∕DIMM1 ¨∞¬¨ ≠±º" ≤ °A´h Bank0 ª› ™≈§U®'°F¶PºÀ¶a°ÆBank1 ªP DIMM2 §]¶≥¨€¶P™∫≠∕®Ó°C



Bank0 §CŒDIMM1 •uØ‡¶≥$@v%Ω¬¨ ≠±º"≤ °A•¶$@v%ø∑™≈§U®'°C



Bank1 §CŒDIMM2 •uØ‡¶≥$@v%Ω¬¨ ≠±º"≤ °A•¶$@v%ø∑™≈§U®'°C

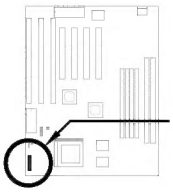
Intel PIIX4 ¥ħ§˘≤ ªPSeagate HDD §ßº°™∫¨€Æ©∞√D

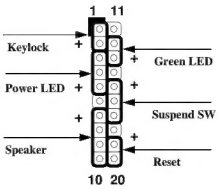
•H§Uß/≠ÃC•X™∫¥X¥Seagate µwſ–°AΠ∫8.3V PIIX4 ¥ħ§˘≤ (Intel 440LX §CŒ430TX PCIset) ∑¶≥ §£¨€Æ™∫∞√D°C¶]¨∞§@Ø≈fiøËπh(TTL) ¨O•H2.0V •H§W¨∞∞ª∑∑«¶Ï(High Level)°A¶"PIIX4 •X®'™∫∝Π Π≈ÃÆ∞™•u® 3.3V°A©'•H∞ª∑∑«¶Ï ™∫Ω⊵ÚΠ¶®2.0V ® 3.3V §ßº°°C¶"≥o¥X¥ µwſ–´o•uØ‡±N8.1V •H §Wµ¨¨∞∞ª∑∑«¶Ï °A©'•HßP¬ø˘ª~™∫æê≤√´D±˜∞™ºAÆ©©µo•Õ§£√≠@w™∫≤{∂H°AΩ-¡◊ßK®œeŒ®«µwſ–°C

Belize: ST32177A°BST31720A°BST32531A ªP ST33240A°C
Maui (§£§%¥©© Ultra DMA support): ST31010A°BST32120A°BST31721A°BST33220A ªP ST34340A°C

´e§Ë≠±™Q±ΔΩ±µ¿Y

¶π±ΔΩ±µ¿Y •i≥s±µ Power LED°BKeylock°B Suspend ´^∂s°BGreen LED°BReset ´^∂sªP Speaker µ•°C





ƒµß¡: ≠Y±z•H Turbo switch ∑Ì ∝µ Suspend switch ®'•CŒA¥N•≤∂∑´^®¸¶∏•H℘"¿¿µL ¨q¶°(nonentary) ´^¡%•Aß_´h®t≤CŒi Ø¢µL™k∂}æê°A¶]¨∞±z§wµj ≠¢®'∂ai §J Suspendº" ¶°§F°C

Load BIOS Setup Default

≠∂i§J BIOS Setup°A•i¶b POST (Power-On Self Test) Æ.´^§U DEL °CµM´·øÔ®"Load Setup Defaults" •H∏¸§J≥ÃæA∑Ì ™ƒ≥]Qw≠»°C ≥Ã¶n§£≠n®œCŒLoad Turbo Defaults"°A∝£´D±zΩT´H±z™ƒ®t≤CŒ §∏•Û(CPU, DRAM, HDD µ•) Ø¢∞˜©'®¸±o¶ì °C ¶≥√^ BIOS ™ƒ∏ ≤"∏Í ∝T°AΩ-∞–ª•Dæê™O™ƒ<®œCŒ§, •U>°C

Æ∝£ Win95 §§™ƒ∞ ∏π

Intel ™ƒ 430TX ªP 440LX ¥n§˘≤ §%‰§F¥Xº∂Σs™ƒº–∑«°Aπ≥¨O'ACPI"°B'USB" ªP "Ultra DMA/33" µ•°AµM¶'Win95 ¶b 1995 ¶~±¿•XÆ.®√§£Ø¢πw™å≥]¶≥≥o®≥≥W/Æ°A©'•H¶b°u∏À∏m∫fi≤≠°v§§∑•X≤{¥X ≠'∞∏π°Cı^µM≥o¶bní ª/ ®œCŒW®√µL•Ù∏Û§£®§ºv≈T°A¶˜¨∝§F™A∞∞ºs§j™ƒ®œCŒÃ∆Open ≥n≈È∂}µo§H ≠°¡Ÿ¨O¨„µo§FAOchip ≥o≠'§u®,µ{¶°®'∏–M¶π∞√D°C±z•i•H±q•Dæê™O¿H™¸™ƒ•´∫–§˘@ŒB/ ≠Ã™ƒ∫ÙØ∏ §W(www.aopen.com.tw) ®±o≥o≠'≥n≈Ê°C®/®œCŒ∂∂≠±´D±˜–≤©°A®√•BØ¢˜æÅ•CŒÛ©'¶≥"ƒTX/LX •D æê™O°A¶"§£•u≠≠@w¶bAOpen ™ƒ≤£´~°C

≠n®œCŒo≠'≥n≈È™ƒ∏°A•u≠n™Ω±µ« ¶Êaochip.exe ¥N•i•H§F°C

¶w∏ÀUltra DMA/33 Driver

±z•i±q•Dæê™O¿H™¸™ƒ•´∫–§˘@ŒB/ ≠Ã™ƒ∫ÙØ∏®±o Ultra DMA/33 IDE driver°C¶w∏À§Ë™k¨O™Ω±µ« ¶Ê setup.exe°A¶w∏À§n¶®·°A±z±N•i•H¶b°u∏À∏m∫fi≤≠°v§§¨›®'°G

-Hard Disk Controllers
Intel 82371AB PCI Bus Master IDE Controller
Primary Bus Master IDE Controller
Secondary Bus Master IDE Controller

ˆCPU ¤L∫^´O≈@

∑Ì CPU ∑≈◊∞™ˆÛhw≥]≠»Æ.°ACPU ±´◊¥N∑¶€∞ ≠«ßC°A®√•B PC ¥≠¡ na¤∑µo•Xƒµß¡n°C≠¤B•Œ≥o ∂µØ5©°AΩ-±N**BIOS Setup ‡ Integrated Peripherals ‡ CPU Thermal (Temp.)** ≥]¨∞ **Monitor**°C •t•~°AAOpen ≥n≈È∂}µo§H≠°§]ª§l&§@≠'§u®,µ{¶°HWMON°A•i•H•Œ®'∫ ±±CPU ∑≈◊∞ªPπq¿£°C±z •i±q•Dæê™O¿H™¸™ƒ•´∫–§˘@ŒB/ ≠Ã™ƒ∫ÙØ∏®±o≥o≠'§u®,µ{¶°°C

ß÷≥± ¶W∏À´¸´n

¶p¶Û®œŒSuspend to Hard Drive?

§Ë™k§@°G®œŒfile ∞-ºΔ(æA•ŒŒÛFAT16 ¿.Æ®≤Œ

Ω-ŒÛÆ•ÿø″∝ ¶Ê§U¶C´¸•O°A¶bµwſ-§§´ÿ•fl§@≠″¡Ù-√¿..:A•Œ®′¿x¶s®≤Œ™ſA§ŒœOæ≈È∏ÆÆ°G

C:>AOZVHDD /c /file

Ω-ŒT@w±z¨Oß_¶≥®∞˜™ſ≥ſÚſœ∱-™≈∂°±N®′≤£•Õ¡Ù-√¿..:C®′¶p°A¶p™G±z¶a2MB •D∝Oæ≈È²P4MB ™ſ VGA ∝Oæ≈È°A®ſª ÚʃN²›≠n¶‹§-36MB (32MB+4MB) ™ſ≥ſÚ™≈∂°°C¶p™GAOZVHDD ß%&£®≥ſÚ™≈ ∂°°A±z•i•H®œŒDOS ™ſ DEFRAG µ{¶°Œ©OWin95 ™ſ°uſœ∱-≠´≤ µ{¶°°v®′æ¸≤¿µwſ-°A•H≤£•Õ®′ ∞˜™ſ≥ſÚ™≈∂°°C

§Ë™k§G°G®œŒpartiton ∞-ºΔ(æA•ŒŒÛFAT16/FAT32 ¿.Æ®≤Œ

®œŒAOZVHDD ¶bµwſ-§§´ÿ•fl§@≠″§¿≥ŒœêA®′¿x¶s®≤Œ™ſA§ŒœOæ≈È∏ÆÆ°C≠n®œŒœo≠″§Ë™k§ß ´ê°A•≤∂∑•˝¶bµwſ-§§πwØß§@∂Ù™≈∂°°Cß′≠Ã´ÿƒ≥±z¿æ´•º®′∝Oæ≈È–X•R™ſ•iØ‡™˝ ™p°AπwØbſ¶§j™ſſœ ſ-™≈∂°°C®′¶p°G≠Ÿ±z•ÿ´é¶≥82MB ®≤ŒÐ∝Oæ≈È²P4MB ™ſ VGA ∝Oæ≈È°A¶"•º®′≠pπſ§.Ø≈®64MB •D∝Oæ≈È°A®ſª Ú±z≥Ã¶n®œŒſœ∱-§u®¸µ{¶° (¶p fdisk) πwØß§@∂Ù88MB (64MB+4MB) •H§W™ſ•º§¿≥ŒE ∝œ«Ï °CµM´·øÈ§J§U¶C´¸•O°G

C:>AOZVHDD /c /partition

¶p™G±z™ſµwſ-®5¶≥•º§¿≥ŒœêÏ °A§S§£ßΔ±Ê•ÿ´eſœ∱-§§™ſ∏ÆøÚ•¢°AΩ-§≈®œŒœo≠″§Ë™k°C

¶p¶Û™@Ø≈BIOS?

1. ±q AOpen ™ſſÙŲ¶®±o∑s™ſ BIOS ¿.Æ®°A®′¶pAP5T150.BIN°C
2. •—A ſœ∱-•HDOS ∂}æë§ˇ∂}æë°A®√•BΩ-§≈∝ ¶Ê¶Uſÿ∝Oæ≈Èſfi≤µ{¶°(¶p HIMEM°BEMM386°B QEMM386, ...)°C
3. Ω-∝ ¶Ê C:> AOFLASH AP5T150.BIN
4. ¶bſ¸§J∑s™ſ BIOS ¿.Æ®´·°Aµ{¶°∑∞ ±z¨Oß_≠n±N—™©™ſ BIOS ¶s®ſœ∱-§§°AΩ-øÔæ "Y" ±N®‰ ¶s¨∞"BIOS.OLD"°C
5. ¿x¶s—™©BIOS ßπ≤¶´·°AΩ-´^§U"Y" ∂}◊∂i¶ÊøNø″°C
6. **¶bøNø″πLµ{§§°Aøvπ ∑ ≈,•<§@ÊÊ "FLASHING" ™ſ∞TÆB(øNø″§§)°A¶πÆ§dſ¶J§£•i √^æë°C**
7. ¶b "FLASHING" ∞TÆBÆ•¢´·°AΩ-√^≥¨πα∑ΩÒ′≠´∑s∂}æë°C
8. ∂}æë´·´^§U"DEL" ¡%‰§J BIOS Setup µe≠±°C
9. ≠´∑søÔ@w"BIOS SETUP DEFAULT" øÔ∂µ°A±N®≤Œ]@w¶b≥Ã√≠@w™ſ™˝ſA°F©ŒÃ±z§]•i•HΩ æ¸ ¶®¼•″™ſ≥]@w≠»°C
10. øÔœ "Save & Exit"°A® ¶π¥N§j•\ßi¶®‹°I

ſ¶ ≤″ſ∞TΩ-∞-æ‰•Dæë™Ò<®œŒ§, •U› §§™ſ "BIOS Flash Utility" §@ſ¶°C

¶p™GŁz²› ≠nßÛ¶h™ſſſ∞T°AΩ-¿H⁄E≥y≥X∂′≠Ã™ſſÙŲ¶°G

Taiwan:	***http://www.aopen.com.tw***
USA:	***http://www.aopenamerica.com @ŒEhttp://www.aopen-usa.com***
Europe:	***http://www.aopen.nl***